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P#8

RAW SEQUENCE LISTING
 PATENT APPLICATION: US/09/694,088

DATE: 08/02/2001
 TIME: 14:21:55

Input Set : A:\28251022003.txt
 Output Set: N:\CRF3\08022001\I694088.raw

ENTERED

4 <110> APPLICANT: Gaudet, Daniel
 5 Rioux, John D.
 6 Arsenault, Steve
 7 Hudson, Thomas J.
 8 Daly, Mark J.
 10 <120> TITLE OF INVENTION: Glycerol As A Predictor of Glucose
 11 Tolerance
 13 <130> FILE REFERENCE: 2825.1022-003
 15 <140> CURRENT APPLICATION NUMBER: US 09/694,088
 16 <141> CURRENT FILING DATE: 2000-10-20
 18 <150> PRIOR APPLICATION NUMBER: US 60/161,141
 19 <151> PRIOR FILING DATE: 1999-10-22
 21 <160> NUMBER OF SEQ ID NOS: 19
 23 <170> SOFTWARE: FastSEQ for Windows Version 4.0
 25 <210> SEQ ID NO: 1
 26 <211> LENGTH: 60
 27 <212> TYPE: DNA
 28 <213> ORGANISM: Unknown ✓
 30 <220> FEATURE:
 31 <223> OTHER INFORMATION: Partial nucleic acid sequence of the GK gene ✓
 32 comprising a polymorphic site at nucleotide
 33 position 13 of exon 3
 35 <400> SEQUENCE: 1
 36 atgccttctt ttgtcaaaga tgggtggaac argaccctaa ggaaattcta cattctgtct 60
 39 <210> SEQ ID NO: 2
 40 <211> LENGTH: 48
 41 <212> TYPE: DNA
 42 <213> ORGANISM: Unknown ✓
 44 <220> FEATURE:
 45 <223> OTHER INFORMATION: Partial nucleic acid sequence of the GK gene ✓
 46 comprising a polymorphic site at nucleotide
 47 position 17 of intron 8
 49 <400> SEQUENCE: 2
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 52 <210> SEQ ID NO: 3
 53 <211> LENGTH: 94
 54 <212> TYPE: DNA
 55 <213> ORGANISM: Unknown ✓
 57 <220> FEATURE:
 58 <223> OTHER INFORMATION: Partial nucleic acid sequence of the GK gene ✓
 59 comprising a polymorphic site at nucleotide
 60 position 29 of exon 10
 62 <400> SEQUENCE: 3
 63 ttcattctcc cttcaaccat aggtatggaa caggatgttt cttactatgt ratacaggcc 60
 64 ataaggttgg tttttaataa aaatgattaa gtca 94
 66 <210> SEQ ID NO: 4
 67 <211> LENGTH: 58

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68 <212> TYPE: DNA
 69 <213> ORGANISM: Unknown ✓
 71 <220> FEATURE:
 72 <223> OTHER INFORMATION: Partial nucleic acid sequence of the GK gene ✓
 73 comprising a polymorphic site at nucleotide
 74 position 22 of intron 12
 76 <400> SEQUENCE: 4
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 79 <210> SEQ ID NO: 5
 80 <211> LENGTH: 8079
 81 <212> TYPE: DNA ✓
 82 <213> ORGANISM: Unknown ✓
 84 <220> FEATURE:
 85 <223> OTHER INFORMATION: Glycerol kinase gene ✓
 87 <221> NAME/KEY: misc_feature
 88 <222> LOCATION: 2214, 2215, 2216, 2217 OK
 89 <223> OTHER INFORMATION: n = A,T,C or G
 91 <400> SEQUENCE: 5
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 94 gcctcaaaga aggcagtttt ggggccattg gtggggcggt tggaccaggg caccagtctg 180
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 110 agttatttga tacaatttat agaattcttt tcccggataa ttgaggcctg taaaacgacg 1140
 111 gccagtttct tttgtttggt ggttttggtt taaactgtta cacttttcat ttgctaactg 1200
 112 aacttcacaa ctgcttttag tccaagacag gccttccact tagcacttac ttcagtgcag 1260
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 117 ttaacaatat gtaaatataa ttgccaataa gtacaaattt aacctgattt ttttactctg 1560
 118 cctagagttt gacaggagga gtcaatggag gtgtccactg tacagatgta acaaatgcaa 1620
 119 gtaggactat gcttttcaac attcattctt tggaatggga taaacaactc tgcgagtaag 1680
 120 ttctgttttg ctctaaatat agttttccca atacactacc tatttataac cgaaatctta 1740
 121 atattttcag atgtcagtgg agcatgtaaa acgacggcca gtacagtgtt aaatacccaa 1800
 122 tcttcttgtt tttcagattt tttggaattc caatggaaat tcttccaaat gtccggagtt 1860

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W--> 123 cttctgagat ctatggccta atgggtaaaa acaacaaam aaacaaaaaa cacaccaaaa 1920
 124 aaccaaaaaa caaacaaaaa aaaacctaata aattaaagtt tttttattac aaaacaagtt 1980
 125 tactattcat aattcaaaaag tcaactgtgt tatgttttgt gacttaaaaa ctttacagtc 2040
 126 cttttttacaa tggaaagctg gggccttgga aggtgtgcca atatctgggg taagtttcat 2100
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 129 tgttcttaca tgtcatactg tgggccattg agaactcttt gaataaatta attttaactc 2280
 130 tcccttccca tacctattat cttacatatt acaaatgggt attaacaat ggggaaaatg 2340
 131 gccaaatgga gaaaatgcaa ggaaatagac agttcattct ttgataaata aaaaatgaaa 2400
 132 aataaatcct atggctcttc taaaaagaaa gttaatacta ttgtattagt cagtgttctt 2460
 133 tattgtcatt tatactttca gtgttttaggg gaccagtctg ctgcattggg gggacaaatg 2520
 134 tgctccaga ttggacaagc caaaaatacg tgagttaaag aaacagactt aaaaaccaat 2580
 135 gctgttttgt tttttctact tgggtctttg aataaggaaa agcttttgaa gttcatccag 2640
 136 gatgaaaatc aatagcttaa tagctccaat atgcataat acacttttta ccattttttt 2700
 137 atatctttaa ataaaatata aaatgccata tatatgcaca ctgatgaagc ttataaagac 2760
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 139 cccttcaacc atagggtatgg aacaggatgt ttcttactat gtratacagg ccataagggt 2880
 140 ggttttttaa attaaaaaat tgattttaaa gtctaagttc atctaataa tgcttgaaca 2940
 141 taatttacta ttaacaaact tttagtcttt agcttttact taatctttat cagggtttta 3000
 142 tttagagctc aatacaaaaat ttgaatcgtt ctaataagaa ccattttaga ctctttgaat 3060
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 223 ttgccaaaac tgaaatcctt cagatgtttt ccatgggtccc actaattata atgactttct 7920
 224 gtctgggtct tataggaaaa gatactttct tttttcttcc atctttcctt tttatatttt 7980
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227 <210> SEQ ID NO: 6

228 <211> LENGTH: 41

229 <212> TYPE: PRT

230 <213> ORGANISM: Unknown ✓

232 <220> FEATURE:

233 <223> OTHER INFORMATION: GK N288D mutant ✓

235 <400> SEQUENCE: 6

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238 Leu Cys Asp Thr Gly His Lys Cys Val Phe Ser Asp His Gly Leu Leu

239 20 25 30

240 Thr Thr Val Ala Tyr Lys Leu Gly Arg

241 35 40

244 <210> SEQ ID NO: 7

245 <211> LENGTH: 41

246 <212> TYPE: PRT

247 <213> ORGANISM: Homo sapiens

249 <400> SEQUENCE: 7

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251 1 5 10 15

252 Leu Cys Asn Thr Gly His Lys Cys Val Phe Ser Asp His Gly Leu Leu

253 20 25 30

254 Thr Thr Val Ala Tyr Lys Leu Gly Arg

255 35 40

258 <210> SEQ ID NO: 8

259 <211> LENGTH: 41

260 <212> TYPE: PRT ✓

261 <213> ORGANISM: Unknown

263 <220> FEATURE:

264 <223> OTHER INFORMATION: Rat ✓

266 <400> SEQUENCE: 8

267 Phe Gln Asp Gly Gln Ala Lys Asn Thr Tyr Gly Thr Gly Cys Phe Leu

268 1 5 10 15

269 Leu Cys Asn Thr Gly His Lys Cys Val Phe Ser Glu His Gly Leu Leu

270 20 25 30

271 Thr Thr Val Ala Tyr Lys Leu Gly Arg

272 35 40

275 <210> SEQ ID NO: 9

276 <211> LENGTH: 41

277 <212> TYPE: PRT ✓

278 <213> ORGANISM: Unknown

280 <220> FEATURE:

281 <223> OTHER INFORMATION: Mouse ✓

VERIFICATION SUMMARY

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DATE: 08/02/2001

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L:128 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5